

PDF Controller 3

Offer a TYPO3 page for PDF download. Individual layout with background PDF file. Extra first page is possible. PDF Controller supports TYPO3 sessions and can be used on restricted pages. The PDF Generator can handle responsive backend layouts and responsive grid elements - ready-for-use together with TYPO3 Start. The PDF engine is TCPDF.



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Language: en

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The content of this document is related to TYPO3 a GNU/GPL CMS/Framework available from www.typo3.org

Table of Contents

PDF Controller 3	1	tt_content	16
Screen shots	3	tx_pdfcontroller: PDF Controller User Interface	17
Frontend	3	tx_pdfcontroller_pi2: PDF Controller Button	22
Backend	4	Extensions	24
Introduction	5	Fonts	27
What does it do?	5	Install custom fonts	27
Restrictions and Incapacities	5	Debugging	28
Manual as PDF file	5	Mode	28
Website	5	DRS (Development Reporting System)	29
Forum	5	3rd party!	30
Installation	6	Grid Elements	30
Controlling	7	Organiser – TYPO3 for Lobby and Organisers	31
Workflow	7	Slick – responsive Carousel and Slider	31
Requirements	8	Start – Starter Kit for a responsive TYPO3	32
PDF Properties	9	What's new	33
Layout Restrictions	10	4.x	33
CSS	10	3.x	33
HTML	12	Upgrades	34
Optimisation by the PDF Controller	13	From 3.x to 4.x	34
Constant Editor	14	From 2.x to 3.x	34
PDF CONTROLLER - BUTTON	14	Known Bugs	35
PDF CONTROLLER - CONFIG	14	Further Information	36
PDF CONTROLLER – PAGES PDF	14	Other extensions published by Die Netzmacher	36
PDF CONTROLLER – PAGES PRINT	14	SEO - Search Engine Optimisation	37
This effects the PAGE object pdfcontrollerPrint	14	Credits	38
PDF CONTROLLER – PAGES USER INTERFACE	14	Helpful suggestions	39
PDF CONTROLLER – URL	15	Forum	39
PDF CONTROLLER – VIEW	15	Change log	40
Reference	16	Illustration Index	43
PAGE	16	Alphabetical Index	44

Screen shots

Frontend



Illustration 1: PDF Controller 3: Responsive TYPO3 to PDF

Live

- HTML: <http://die-netzmacher.de/>
- PDF: <http://die-netzmacher.de/?type=67425>



Illustration 2: Example for more than one page: first page can designed differently.


Live

- HTML: <http://die-exen.de/spieler/annika-pilst/>
- PDF: <http://die-exen.de/spieler/annika-pilst/?type=67425>


Backend

Edit Page Content "[PDF Controller User Interface]" on page "PDF Controller"

General
Plugin
Appearance
Access
Categories

Selected Plugin
 PDF Controller: User Interface

Plugin Options
Check!
Template
First page
Fonts
Tags
Images
Debugging

Check: for [FE][lode.HashKeyWords]
 [FE][lode.HashKeyWords] is empty. The PDF Controller should run proper.


Check: for [FE][lode.IP]
 [FE][lode.IP] is 0. The PDF Controller should run proper.

Illustration 3: PDF Controller 3 flexform

Introduction

What does it do?

- The PDF Controller 3 converts HTML to PDF.
- The PDF Controller manages frontend user sessions.
You can use the PDF Controller on pages which are restricted for frontend users.
- The PDF Controller 3 has both plugins
 - a user interface and
 - a button
- The button enables a quick start.
- The PDF engine is TCPDF for TYPO3 (t3_tcpdf)
- The extension PDF Controller 3 Additional Fonts (pdfcontroller_fonts) extends the default fonts of the PDF Controller 3.
- You can extend the PDF Controller respectively TCPDF with your own fonts.
- The PDF Controller 3 has support for some other extensions:
 - The PDF Controller 3 handles backend layouts and grid elements ready-for-use, if you are using Start – the Starter Kit for a responsive TYPO3.¹
 - Organiser² news are ready-for-use.

Restrictions and Incapacities

- The CSS compatibility is on a poor level. It is similar like CSS for HTML in e-mails (newsletters).
- The PDF Controller respectively TCPDF seems not to be able to care of a proper pagebreak in tables, if the content of a row hasn't enough space on the current page and content is mixed with text and images. Maybe there are some more incapacities.
- The PDF Controller hasn't a ready-for-use TypoScript for TYPO3 file elements.
- The PDF Controller isn't compatible with the former PDF Controller upto version 2.x.
- The PDF Controller should run in TYPO3 7.x. But this isn't tested!

Play with it!

Play with the PDF Controller at

- <http://die-exen.de>
- <http://die-netzmacher.de>

Manual as PDF file

You find this manual as PDF file at

- [doc/manual.pdf](#)
- <http://typo3-pdfcontroller.de/typo3conf/ext/pdfcontroller/doc/manual.pdf>

Website

The PDF Controller 3 has a website. Please visit

- <http://typo3-pdfcontroller.de/>

Forum

The PDF Controller 3 has a forum (see Forum on page 39 below).

¹ You need Start from version 2.0.2. Currently it is a developer version only. Therefore it isn't available in the TYPO3 repository but in the SVN repository. <https://forge.typo3.org/projects/extension-start/wiki>. I try to publish Start 2.0.2 in the TER soon.

² Organiser – TYPO3 for the Lobby and the Organisers: <http://typo3-organiser.de>

Installation

- Install the extensions
 - TCPDF for TYPO3 (t3_tcpdf)
 - PDF Controller 3 (pdfcontroller)
 - PDF Controller 3 Additional Fonts (pdfcontroller_fonts)
- Include the static TypoScript templates into the static template of your root page:
 - PDF Controller [1] (pdfcontroller)¹
 - PDF Controller [1.1] +tt_content optimising (pdfcontroller)²
 - ...
 - PDF Controller [2] Ext: Slick (pdfcontroller)³
 - PDF Controller [2] Ext: Start (pdfcontroller)^{4,5}
 - PDF Controller [2.1] Ext: Start Gridelements (pdfcontroller)⁶
- Create in your library folder (or everywhere) the page (not a folder!):
 - PDF Controller
- Add to the page PDF Controller the plugin PDF Controller User Interface. Check the first tab [Check!]. See details at section "Requirements" on page 8 below.
- Add the plugin PDF Controller Button to the page, which should be downloadable as a PDF document.
- Configure the plugin PDF Controller Button by the TypoScript Constant Editor. See CONSTANT EDITOR categories
 - [PDF CONTROLLER - PAGES USER INTERFACE]
 - [PDF CONTROLLER - URL]

That's all.

Test the PDF Controller 3: Click the PDF Controller button in your frontend.

¹ Position must be below the templates of CSS Styled Content and Grid Elements.

² Optional: moves <div> to <table> in the image content element. Only in context with generating PDF.

³ Position must be below the templates of Slick.

⁴ Optional: moves <div> to <table> in the fluid templates of the extension TYPO3 responsive Starter (start). Only in context with generating PDF.

⁵ Position must be below the templates of Start.

⁶ Recommended, if you are using the grid elements, which are delivered by Start.

Controlling

Workflow

Usually you like to provide a PDF download for the content of your page but neither for the header nor for the footer nor for navigation elements.

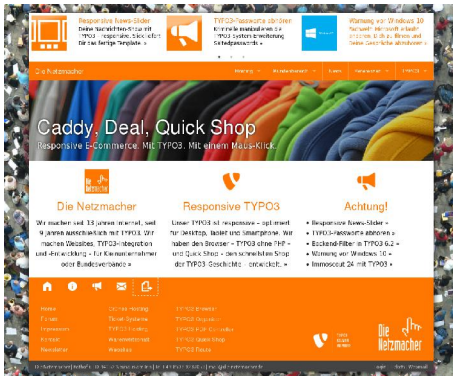


Illustration 4: `index.php?id=x&type=0`

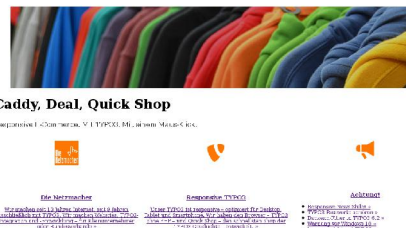


Illustration 5: `... &type=67426`



Illustration 6: `... =67425`

pdfcontrollerPrint

Therefore the PDF Controller arranges a PAGE object called `pdfcontrollerPrint`. It takes the content elements of the current page from the default column (`colpos = 0`). The `pdfcontrollerPrint` page has the `pageNum 67426`.

You can see the PAGE `pdfcontrollerPrint` in the frontend by calling the current page with `pageNum 67426` like

- `http://my-domain.com/index.php?id=277&type=67426`

if the current page is the page with the id 277.

If you want to change the content, you have to edit the TypeScript of the PAGE object `pdfcontrollerPrint`.

If you get an unexpected result in your PDF file, you should inspect the CSS code and HTML code of this page.

Don't wonder: this page hasn't any HTML head by default.

pdfcontrollerPDF

The PDF Controller User Interface is called on the current page by `pageNum 67425`. This page is called `pdfcontrollerPDF`.

The PDF Controller button generates a link like

- `http://my-domain.com/index.php?id=277&type=67425`

There isn't any need to configure the PAGE object `pdfcontrollerPDF`. Don't touch this TypeScript code!

Requirements

There isn't any special system requirement.

If you are using restricted pages – access for frontend users only – you have to set some TYPO3 frontend configurations for a proper session management.

Check it by the Plugin!

You can check your system supported by the plugin PDF Controller 3 User Interface. See

- first tab [Check!] and
- the last tab [Debugging]

[Check!]

Check for [FE][lockHashKeyWords]

[FE][lockHashKeyWords] must be empty.

You can configure the property by

- Modul: System > Install > All configuration
- Look for "lockHashKeyWords"

```
$TYPO3_CONF_VARS['FE']['lockHashKeyWords'] = '';
```

Check for [FE][lockIP]

[FE][lockIP] must be 0.

You can configure the property by

- Modul: System > Install > All configuration
- Look for "lockIP"

```
$TYPO3_CONF_VARS['FE']['lockIP'] = '';
```


PDF Properties

You can controll PDF properties by

- the plugin / flexform
- the TypoScript Constant Editor and
- TypoScript directly.

Plugin / Flexform

You can configure by the plugin /flexform in principle

- path to your **PDF template file**
- PDF **page margins**
- PDF page margins for the fist page
- Default **fonts**¹
- CSS properties for a **a-tag**
- images **scaling factor**

¹ Default fonts are used, if there isn't set any font by CSS

Layout Restrictions

CSS

The CSS compatibility is on a poor level. It is similar like CSS for HTML in e-mails (newsletters).

Any CSS by default

Please take care of the default TypoScript configuration:

pdfcontrollerPrint.config.disableAllHeaderCode is disabled by default.

This effects both:

- any CSS isn't included by default
- pdfcontrollerPrint.includeCSS will ignored.

Include your CSS

By a Content Element (recommended)

The recommended way for including your CSS is, to include it as a content element like in the sample below:

```
pdfcontrollerPrint.10 {
    10 = TEXT
    10.value (
        <style>
            ...
        </style>
    )
}
```

By a File (not recommended)

You may include a CSS file too. But the way below isn't recommended, because you are enabling the including of all header code and you can receive unwanted CSS data delivered by TYPO3 and TYPO3 extensions.

```
pdfcontrollerPrint {
    config {
        disableAllHeaderCode = 0
    }
    includeCSS {
        mycss = fileadmin/my.css
    }
}
```

If you like to include a CSS file, please check the rendered HTML code of the pdfcontrollerPrint page: It should not include any other CSS data.

CSS properties

Rules

The CSS compatibility is on a small level. It is similar like CSS for HTML in e-mails (newsletters).

Please take care of some rules

```
/*
 * Don't use:
 *   h1, h2 { ...
 * Use only:
 *   h1 { ...
 *   h2 { ...
 *
 * Isn't supported:
 *   * a
 *     * color      : Use the PDF Controller user interface (flexform). See tab [tags].
 *     * text-decoration : Use the PDF Controller user interface (flexform). See tab [tags].
 *     * border      : There isn't any alternate. But see the details at margin below.
 *                     For a border-top or a border-bottom you can use a empty line <p>&nbsp;</p>.
 *                     For a border-left and a border-right you can use an empty column like
 *                     <td>&nbsp;</td>, if it is within a table.
 *
 *     * line-height : There isn't any alternate.
 *                     Internal note: :TODO: TCPDF::setCellHeightRatio( )
 *
 *     * list-style-type : There isn't any alternate.
 *                     Internal note: :TODO: TCPDF::setListIndentWidth( ), TCPDF::setLisymbol( )
 *
 *     * margin        : Use TypoScript plugin.tx_pdfcontroller.settings.pdf.css.margin
 *                     You can add every tag
 *                     Internal note: TCPDF::setHtmlVSpace( )
 *
 *     * padding        : There isn't any alternate. But see the details at margin above.
 */
```

Sample

```
body {
  color: green;
  font-family: helvetica;
}
h1 {
  color: orange;
  font-family: times;
  font-size: 24pt;
  text-decoration: underline;
}
h2 {
  color: brown;
  font-family: courier;
  font-size: 16pt;
}
p {
  color: red;
  font-family: helvetica;
  font-size: 12pt;
}
```

Pagebreak

```
@media print {
  h1 {
    page-break-before:always;
  }
  div {
    page-break-before:auto;
  }
  #content {
    page-break-before:avoid;
  }
}
```

CSS property explanation:

- <http://wiki.selfhtml.org/wiki/CSS/Eigenschaften/Druckausgabe> (German)

HTML

HTML should be simple as possible.

DIV

Don't try to configure DIV-tags. There isn't any chance. They will be handled like P-tags.

TABLE

CAPTION

Avoid the TABLE property CAPTION. CAPTION will be handled as a column – like a TD tag. CAPTION will destroy your TABLE layout.

Mixed units

Avoid to mix units! For example: It isn't recommended to use per cent and pixels for the width of TD-tags within the same TABLE.

Optimisation by the PDF Controller

The PDF Controller optimises some HTML, if you include the static template:

- PDF Controller [1.1] +tt_content optimising (pdfcontroller)

Images

Move <div> to <table>

Images are wrapped with <div>-tags by default. But <table>-tags are the proper one. See the TypoScript code snippet below.

```
[globalVar = GP:type = {$plugin.pdfcontroller.pages.print.typeNum}]
## images
tt_content.image {
    20 {
        1 {
            layout {
                default {
                    element := appendString ( <br /> )
                }
            }
        }
        layout {
            # above-center
            default {
                value (
                    <table cellpadding="0" cellspacing="0" style="width:100%;" class="columns01">
                    <tr>
                    <td>
                        ###IMAGES###
                    </td>
                    </tr>
                    <tr>
                    <td>
                        ###TEXT###
                    </td>
                    </tr>
                    </table>
                )
            }
            # above-right
            ...
        }
        renderMethod = simple
        rendering {
            simple {
                imageStdWrapNoWidth.wrap = |
                imageStdWrap.dataWrap = |
                caption.wrap = <p>|<br /><br /></p>
            }
        }
    }
}
[global]
```

Constant Editor

PDF CONTROLLER - BUTTON

Property:	Data type:	Description:
button.icon	string	Path to the button icon. Default: EXT:pdfcontroller/Resources/Public/Images/pdf.png

PDF CONTROLLER - CONFIG

Property:	Data type:	Description:
config.disableAllHeaderCode	boolean	disableAllHeaderCode: If is set, none of the features of the PAGE object is processed but the content of the page. There isn't nor <HTML>-tag neither a default CSS among others. Default: 1

PDF CONTROLLER – PAGES PDF

This effects the PAGE object **pdfcontrollerPDF**

Property:	Data type:	Description:
pages.pdf.typeNum	string	typeNum: type number for the PAGE, which generates the PDF. Recommended 67425. Use another number, if you are still using 67425. Default: 67425

PDF CONTROLLER – PAGES PRINT

This effects the PAGE object **pdfcontrollerPrint**

Property:	Data type:	Description:
pages.print.typeNum	integer	typeNum: type number for the PAGE, which is optimised for printing. Recommended 67426. Use another number, if you are still using 67426. Default: 67426
pages.print.header	string	header: My header content. Default: See @ TypoScript at plugin.tx_pdfcontroller.settinmgs.master_templates.print...
pages.print.copyright	string	copyright: Copyright in the footer. Default: © See @ Constant Editor category [PDF CONTROLLER - PAGES] > copyright
pages.print.strftime	string	time format: PHP function strftime. Example for German language: Gedruckt am %d.%m.%y um %T Uhr Default: printed at %y/%m/%d %T

PDF CONTROLLER – PAGES USER INTERFACE

Property:	Data type:	Description:
pages.userinterface.pid	integer	Page ID*: *OBLIGATED: ID of the page, which contains the PDF user interface.

PDF CONTROLLER – URL

Property:	Data type:	Description:
url	string	Url*: *OBLIGATED: Domain of your website with ending slash. F.e: http://die-netzmacher.de/ Default: http://my-example.com

PDF CONTROLLER – VIEW

Property:	Data type:	Description:
templateRootPath	string	Templates: Path to the templates Default: EXT:pdfcontroller/Resources/Private/View/Templates/
partialRootPath	string	Partials: Path to the partials Default: EXT:pdfcontroller/Resources/Private/View/Partials/
layoutRootPath	string	Layouts: Path to the layouts Default: EXT:pdfcontroller/Resources/Private/View/Layouts/

Reference

PAGE

pdfcontrollerPDF

Property:	Data type:	Description:
pdfcontrollerPDF	PAGE	pdfcontrollerPDF < plugin.tx_pdfcontroller.settings.master_templates.pdf

pdfcontrollerPrint

Property:	Data type:	Description:
pdfcontrollerPrint	PAGE	pdfcontrollerPrint < plugin.tx_pdfcontroller.settings.master_templates.print

tt_content

tt_content.image

Property:	Data type:	Description:
tt_content.image	Array	<pre> [globalVar = GP:type = {\$plugin.pdfcontroller.pages.print.typeNum}] ## images tt_content.image { 20 { 1 { layout { default { element := appendString (
) } } layout { # above-center default { value (<table cellspacing="0" cellpadding="0" style="width:100%;" class="columns01"> <tr> <td> ###IMAGES### </td> </tr> <tr> <td> ###TEXT### </td> </tr> </table>) } override > } # above-right ... } renderMethod = simple rendering { simple { imageStdWrapNoWidth.wrap = imageStdWrap.dataWrap = caption.wrap = <p>

</p> } } } } [global] </pre>

tx_pdfcontroller: PDF Controller User Interface

plugin.tx_pdfcontroller.settings is the former plugin.tx_pdfcontroller_pi1.

settings.master_templates

Property:	Data type:	Description:
master_templates	array	<pre> plugin.tx_pdfcontroller { settings { master_templates { pdf = PAGE pdf { config { ... <- Please inspect code by the TypoScript Object Browser } typeNum = {\$plugin.pdfcontroller.pages.pdf.typeNum} 10 = COA 10 { ... <- Please inspect code by the TypoScript Object Browser } } } print = PAGE print { config { ... <- Please inspect code by the TypoScript Object Browser } typeNum = {\$plugin.pdfcontroller.pages.pdf.typeNum} 10 = COA 10 { ... <- Please inspect code by the TypoScript Object Browser } } } } </pre>

settings.pdf.content.footer

Property:	Data type:	Description:
pdf.content.footer	array	<pre> plugin.tx_pdfcontroller { settings { pdf { content { // empty statement for proper comments only footer { } // placeholders: %page% for the current page, %pages% for the number of pages footer = TEXT footer { // placeholders: %page% for the current page, %pages% for the number of pages value = page %page% from %pages% lang { de = Seite %page% von %pages% en = page %page% from %pages% } wrap = <div style="text-align:right;"> </div> } } } } </pre>

settings.pdf.css.margin

Property:	Data type:	Description:
pdf.css.margin	array	<pre> plugin.tx_pdfcontroller { settings { pdf { css { margin { // bottom, top div = div { // value: 0, times: 0 bottom = bottom { value = 0 times = 0 } // value: 0, times: 0 top = top { value = 0 times = 0 } } // bottom, top h1 < .div // bottom, top h2 < .div // bottom, top h3 < .div // bottom, top ol < .div ol { // value: 1, times: 3 bottom = bottom { value = 1 times = 3 } } // bottom, top p < .div // bottom, top ul < .ol } } } } } </pre>

settings.pdf.filename

Property:	Data type:	Description:
pdf.filename	COA	<pre> plugin.tx_pdfcontroller { settings { pdf { filename = COA filename { // page : title 10 = TEXT 10 { stdWrap { data = page : title htmlSpecialChars = 1 } wrap = } // date 30 = TEXT 30 { data = date : U strftime = %Y%m%d%H%M%S wrap = _ } // extension pdf 50 = TEXT 50 { value = pdf wrap = . } } } } } </pre>

settings.pdf.pageproperties

Property:	Data type:	Description:
pdf.pageproperties	array	<pre> plugin.tx_pdfcontroller { settings { pdf { pageproperties { // page : author documentAuthor = CONTENT documentAuthor { table = pages select { where = 1 OR (uid = {page:uid} AND pid >= 0) where { insertData = 1 } max = 1 } renderObj = TEXT renderObj { field = author } } // page : keywords documentKeywords < .documentAuthor documentKeywords { renderObj { field = keywords } } // page : description documentSubject < .documentAuthor documentSubject { renderObj { field = description } } // page : title documentTitle < .documentAuthor documentTitle { renderObj { field = title } } } } } } </pre>

settings.pid.userinterface

Property:	Data type:	Description:
pid.userinterface	integer	<pre> plugin.tx_pdfcontroller { settings { pid { userinterface = {\$plugin.pdfcontroller.pages.userinterface.pid} } } } </pre>

settings.typeNum

Property:	Data type:	Description:
typeNum	array	<pre> plugin.tx_pdfcontroller { settings { typeNum { pdf = {\$plugin.pdfcontroller.pages.pdf.typeNum} print = {\$plugin.pdfcontroller.pages.print.typeNum} } } } </pre>

view

Property:	Data type:	Description:
view	array	<pre> plugin.tx_pdfcontroller { view { templateRootPath = {\$plugin.tx_pdfcontroller.view.templateRootPath} partialRootPath = {\$plugin.tx_pdfcontroller.view.partialRootPath} layoutRootPath = {\$plugin.tx_pdfcontroller.view.layoutRootPath} } } </pre>

tx_pdfcontroller_pi2: PDF Controller Button

button

Property:	Data type:	Description:
button	IMAGE	<pre> plugin.tx_pdfcontroller_pi2 { button = IMAGE button { wrap = &nbsp; file = {\$plugin.pdfcontroller.button.icon} altText { stdWrap { cObject = TEXT cObject { value = Download content as PDF file lang { de = Inhalt als PDF-Datei herunterladen en = Download content as PDF file } } } } titleText < .altText imageLinkWrap = 1 imageLinkWrap { enable = 1 typolink { parameter { cObject = COA cObject { // url 10 = TEXT 10 { data = page:uid } // target 20 = TEXT 20 { value = _blank noTrimWrap = " " } // class 30 = TEXT 30 { value = - noTrimWrap = " " } // title 40 = TEXT 40 { value = Download content as PDF file lang { de = Inhalt als PDF-Datei herunterladen en = Download content as PDF file } noTrimWrap = " " } } } additionalParams = &type={\$plugin.pdfcontroller.pages.pdf.typeNum} // #i0024, 150904, dwildt, 4+ addQueryString = 1 addQueryString { exclude = id, cHash } ATagParams = rel="nofollow" } } } text = TEXT text { ... <- See next section below } } </pre>

text

Property:	Data type:	Description:
text	TEXT	<pre> plugin.tx_pdfcontroller_pi2 { text = TEXT text { value = PDF Download lang { de = PDF Download en = PDF Download } typolink { ... <- See typolink from button in the section from above } } } </pre>

Extensions

Grid elements (by Start)

start.gridelements.1 to 6

Property:	Data type:	Description:
start.gridelements.x	array	<pre> start.gridelements { 1 { columns.default.wrap.noTrimWrap = <td class="columns "> columns.default.wrap2 = </td> wrap.stdWrap.cObject.10.value = <table class="row columns01 wrap.stdWrap.cObject.30.value = "><tbody><tr> </tr></tbody></table> } ... } tt_content.gridelements_pi1.20.10.setup.1 < start.gridelements.1 tt_content.gridelements_pi1.20.10.setup... < start.gridelements...</pre>

start.structure.inlineCss

Property:	Data type:	Description:
structure.inlineCss	array	<pre> start { structure { inlineCss { pdfcontroller = TEXT pdfcontroller { value (<style> table.columns01 { width:100%; } table.columns02 { width:100%; } table.columns03 { width:100%; } table.columns04 { width:100%; } table.columns05 { width:100%; } table.columns06 { width:100%; } table.columns01 tr td { width:100%; } table.columns02 tr td { width:49%; } table.columns03 tr td { width:32%; } table.columns04 tr td { width:23.5%; } table.columns05 tr td { width:18.4%; } table.columns06 tr td { width:15%; } table.columns02 tr td.space { width:2%; } table.columns03 tr td.space { width:2%; } table.columns04 tr td.space { width:2%; } table.columns05 tr td.space { width:2%; } table.columns06 tr td.space { width:2%; } .align-center { text-align:center; } .align-left { text-align:left; } .align-right { text-align:right; } .csc-header-alignment-center { text-align:center; } .csc-header-alignment-left { text-align:left; } .csc-header-alignment-right { text-align:right; } </style>) } } }</pre>

Slick – responsive Carousel and Slider

tt_content.slickslideshow

Property:	Data type:	Description:
tt_content.slickslideshow	Array	<pre> [globalVar = GP:type = {\$plugin.pdfcontroller.pages.print.typeNum}] ## images tt_content.slickslideshow { 20 { 1 { layout { default { element := appendString (
) } } layout { default { value (<table cellpadding="0" cellspacing="0" style="width: 100%; text-align: left; margin: 0;"> <tr> <td valign="top" align="left" style="text-align: left;"> ###IMAGES### </td> </tr> <tr> <td valign="top"> ###TEXT### </td> </tr> </table>) override > } } renderMethod = simple rendering { simple { imageStdWrapNoWidth.wrap = imageStdWrap.dataWrap = caption.wrap = <p>

</p> } } } } } [global] </pre>

Start – Starter Kit for a responsive TYPO3

PAGE

Property:	Data type:	Description:
pdfcontrollerPrint	PAGE	pdfcontrollerPrint > pdfcontrollerPrint < plugin.tx_pdfcontroller.settings.extensions.start.master_templates.print

settings.extensions.start.master_templates.print

Property:	Data type:	Description:
master_templates.print	PAGE	<pre> plugin.tx_pdfcontroller { settings { extensions { start { master_templates { print = PAGE print { ... -> Please inspect it by the TypeScript Object Browser } } } } } } </pre>

Fonts

Install custom fonts

This is an example for TTF-fonts (True Type Fonts) only.

See details at:

- <http://www.tcpdf.org/fonts.php>
- `typo3conf/ext/t3_tcpdf/tcpdf/tools/convert_fonts_examples.txt`

Create a font directory

Create a font directory like

- `fileadmin/myfonts`¹
- `typo3conf/ext/myextension/fonts`²

Sample directories

- TCPDF tools
`/var/www/mytypo3/typo3conf/ext/t3_tcpdf/tcpdf/tools$`
- TTF-files source folder (input folder in the samle below: -i)
`~/Downloads/`
- TTF-files destination folder (output folder in the samle below: -o)
`/var/www/mytypo3/typo3conf/ext/pdfcontroller_fonts/fonts`

Move *.ttf to TCDF font definition files

```
name@server:/var/www/mytypo3/typo3conf/ext/t3_tcpdf/tcpdf/tools$ \
./tcpdf_addfont.php -b -t TrueTypeUnicode -f 32 \
-o /var/www/typo3_62.local/typo3conf/ext/pdfcontroller_fonts/fonts \
-i ~/Downloads/Noto_Sans/NotoSans-BoldItalic.ttf
```

Update the PDF Controller Interface

Tab [Fonts] > field "Relative path to my fonts directory"

Enter your path. I.e: `fileadmin/myfonts`³

Run the PDF Controller

Run the PDF Controller in the frontend once.

Remove installed Fonts

- Remove the extension PDF Controller Fonts (`pdfcontroller_fonts`)
- Update the extension TCPDF for TYPO3 (`t3_tcpdf`)

¹ The absolute path must contain letter in lower case only!

² dito

³ dito

Debugging

You can get a report for debugging and development purposes in the frontend and the backend.

Please use the tab [Debugging] of the plugin of the PDF Controller 3 User Interface.

If you are enabling the DRS (Development Reporting System), you will get a report in the devlog.¹

Mode

Production (default)

Get your website content as PDF file.

Test: Display HTML

Get your website content as HTML file. You can check, which HTML will be delivered to the PDF generator.

Test: TCPDF example 61 "XHTML+CSS" (HTML)

TCPDF provides a lot of samples on the TCPDF website.

This test enables you to check, if your server generates the needed HTML of the TCPDF website.

You can compare the HTML code – especially the CSS code – with the HTML code, which you are using for PDF generating. If something isn't running properly, maybe you are able to find the improper HTML code or the improper CSS code.

Test: TCPDF example 61 "XHTML+CSS" (PDF)

TCPDF provides a lot of samples on the TCPDF website. This test enables you to check, if your server generates the same PDF like the server of the TCPDF website. It should be the same PDF file. If it isn't, maybe the PDF Controller doesn't run properly.

PDF file for comparison:

http://www.tcpdf.org/examples/example_061.pdf

Development: Display TypoScript

This displays the TypoScript, which is the base for TYPO3 for rendering the HTML or PDF file.

If something isn't running properly, maybe you are able to find the improper TypoScript code.

¹ You need the extension Developer Log (devlog)

DRS (Development Reporting System)

You need the extension

- Developer Log (devlog)

If you are enabling the DRS (Development Reporting System), you will get a report in the devlog.

Disabled (recommended)

Any prompt won't sent to devlog.

All: errors, warnings and infos

The PDF Controller sends all prompts to devlog.

Session-management

The PDF Controller sends prompts to devlog in context with the session management.

The PDF Controller prompts the

- URL with the **FE_SESSION_KEY**

among others, if a fe_user is logged in.

You can check, if this URL is proper:

- Take a browser without any current session.
- Copy this URL into the address field of the Browser.
- If the Browser displays the content for fe_users, which are logged in, everything seem's to be proper.
- If it displays content for fe_users, which aren't logged in, the URL isn't proper.

3rd party!

The PDF Controller supports third party extensions respectively third party extensions supports the PDF Controller.

Support means:

- Usually the HTML code is optimised for a responsive layout.
- But TCPDF can't handle the CSS of a responsive layout in principle.

The PDF Controller optimises HTML and CSS of the third party extension from below. Optimisation doesn't mean, that you will get a one-to-one layout.

Grid Elements

The PDF Controller optimises the HTML of the grid elements, if they are arranged by Start – Starter Kit for a responsive TYPO3. The optimisation is ready-to-use. If you are using your own grid elements, you can adapt the PDF Controller to your needs by configuring your TypoScript.

Edit Page Content "[Footer Menu 1+2+3]" on page "die-netzmacher.de"

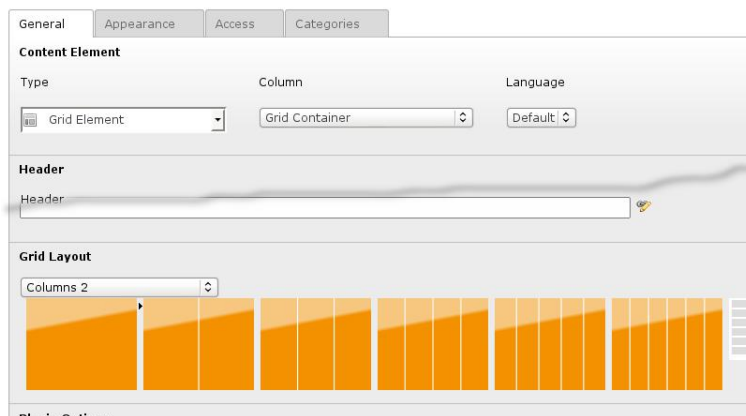


Illustration 7: The PDF Controller 3 can move responsive HTML output to PDF, which is based on one of the six grid elements provided by Start.

Organiser – TYPO3 for Lobby and Organisers

The news modul of the Organiser – TYPO3 for Lobby and Organisers – has a template for the PDF Controller. A TYPO3 integrator hasn't nothing to do: news in list views and news in single views are optimised for the PDF Controller by default.

See samples for a list view:

- HTML: <http://die-netzmacher.de/news/>
- PDF: <http://die-netzmacher.de/news/?type=67425>

Select a news from the list view, to check a single view in HTML and PDF.

If you are using the Organiser, you need it from version 7.5.x

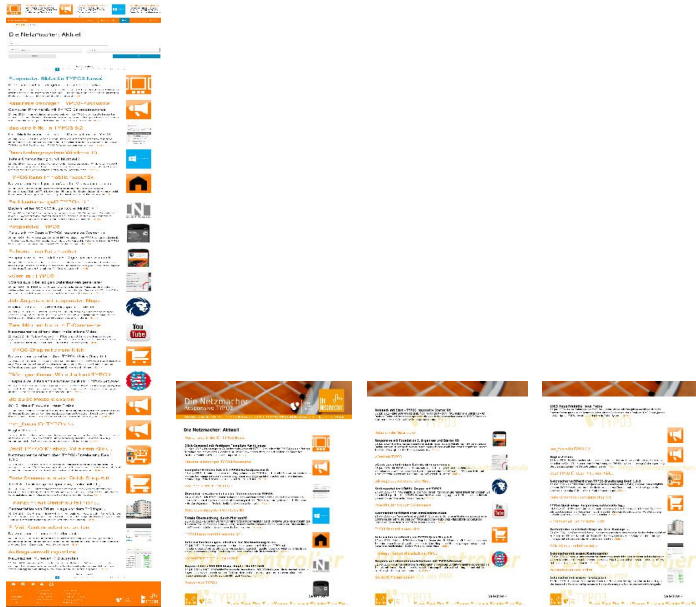


Illustration above: organiser news list view in HTML (left) and as PDF file

Slick – responsive Carousel and Slider

If you like to optimise content, which is delivered by Slick – responsive Carousel and Slider –, please use the static template

- PDF Controller [2] Ext: Slick (pdfcontroller)

Start – Starter Kit for a responsive TYPO3

If you like to optimise content, which is delivered by Start – Starter Kit for a responsive TYPO3 –, please use the static templates

- PDF Controller [2] Ext: Start (pdfcontroller)
- PDF Controller [2.1] Ext: Start Gridelements (pdfcontroller)

Edit Page "die-netzmacher.de"

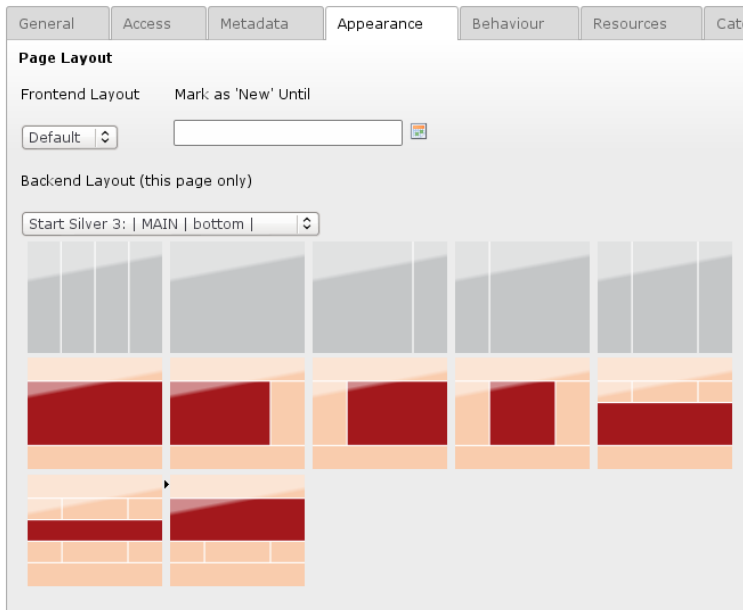


Illustration 8: The PDF Controller 3 can move responsive HTML output to PDF, which is based on one of the 12 backend layouts provided by Start.

What's new

4.x

Grid Elements

[4.1.1]

Template for the Grid Elements of Start – Starter Kit for a responsive TYPO3.

Session handling

[4.0.0]

The PDF Controller handles sessions. You can use it on restricted pages.

Slick – responsive Carousel and Slider

[4.1.2]

Template for Slick – responsive Carousel and Slider.

Start – Starter Kit for a responsive TYPO3

[4.1.1]

Template for Start – Starter Kit for a responsive TYPO3.

tt_content optimisation

[4.1.0]

Template

TYPO3 7.x

[4.0.0]

The PDF Controller should run in TYPO3 7.x. But this isn't tested!

3.x

Corporate Design

[3.1.0]

Background of any generated PDF is a PDF file. This PDF file can be designed individually.

Extra first page

[3.1.0]

Background of any generated PDF is a PDF file. If your PDF file contains two pages, the first page is only used for the first page of the generated PDF file.

TCPDF

[3.1.0]

New PDF engine tcpdf.

Upgrades

From 3.x to 4.x

Save plugin values before the Upgrade

Please save your plugin values, before you upgrade the PDF Controller by the extension manager.

TypoScript

TypoScript is moved from `plugin.tx_pdfcontroller_pi1` to `plugin.tx_pdfcontroller.settings`.

Keep it in mind, if you have to update the setup of your TypoScript.

Plugin

Set selected plugin to [PDF Controller: User Interface].

Compare the saved plugin values from above with the current plugin values. Adapt the current values to your needs.

From 2.x to 3.x

The PDF Controller 3 has a new PDF engine: TCPDF. The former engine was HTML2PS.


















Therefor an upgrade isn't possible. Sorry for the trouble.

Known Bugs

See <https://forge.typo3.org/projects/extension-pdfcontroller/issues>

Further Information

Other extensions published by Die Netzmacher

-  +AOE Linkhandler Configurator: Configure the AOE linkhandler supported by userinterfaces. Out-of-the-box templates for cal, org, tt_news and tt_products. Don't edit page TSconfig any longer.
<http://typo3.org/extensions/repository/view/linkhandlerconf/>
-  autositemap: A smart site-map optimised for the footer. It groups menus in columns. Great menus will get two columns. Configuration is based on TypoScript HMENU.
<http://typo3.org/extensions/repository/view/autositemap/>
-  Browser – TYPO3 without PHP. Develop your TYPO3 extension 8 times faster! You need one line TypoScript for a result list with a search form, a record browser and an index browser. Images are wrapped self-acting. SEO, Search Engine Optimization, is integrated. <http://typo3-browser.de/>
-  Caddy – the TYPO3 shopping cart. You can use it for your own needs. You need a database with products or any other items only. You can install Caddy out of the box with one mouse click – see Quick Shop below.
<http://typo3-caddy.de/>
-  Deal! – TYPO3 Quick Shop interface for the marketplace ebay. Manage all items with TYPO3 and publish it on ebay. Amazon is under construction.
<http://typo3-deal.de/>
-  Duty – collection of helpful scheduler tasks. Here: remove deprecated files from directories.
<http://typo3.org/extensions/repository/view/duty/>
-  Flip it! offers lovely and smooth page flip transitions. It enables you to run over pages in PDF documents like in a real magazine. It is based on flash. Flipt it! can convert PDF documents to swf files automatically.
<http://typo3.org/extensions/repository/view/flipit/>
-  Jobmarket is a catalogue with job offers. Views, the a-z-browser, the page-browser, the search, social bookmarks and a lot of other stuff can configured by the Browser plugin with the mouse.
<http://typo3-job-market.de/>
-  Organiser – TYPO3 for the lobby and the organisers. Handle news, events, staff, headquarters, locations, workshops and a calendar with one extension. Sell online tickets! Install the Organiser with one mouse click!
<http://typo3-organiser.de/>
-  Quick Shop – the fastest shop in the history of TYPO3. Install it with one mouse click! Quick Shop is based on the browser (see above) and powermail.
<http://typo3-quick-shop.de/>
-  PDF Controller: Offer a TYPO3 page for PDF download. Individual layout with background PDF file. TYPO3 sessions are supported. Handling of responsive backend layouts and grid elements possible. PDF engine is TCPDF.
<http://typo3-pdfcontroller.de/>
-  Radial Search (Umkreissuche) – Enable the browsing through your data by geo location. 'Your data must have a latitude and a longitude. Address data can geocoded automatically by the Browser - TYPO3 without PHP.
<http://typo3.org/extensions/repository/view/radialsearch/>
-  Route – Publish your routes with GoogleMaps or OpenStreetMap. Routes have points of interest (POI). You can categorise and filter both: routes and POI. Address data can geocoded automatically.
<http://typo3-route.de/>
-  seo_dynamic_tag: Search Engine Optimization for the title tag, the canonical tag and the meta tags author, description and keywords. Configuration by a user interface.
http://typo3.org/extensions/repository/view/seo_dynamic_tag/
-  Slick - jQuery Carousel: Fully responsive. Scales with its container. Separate settings per breakpoint. Uses CSS3 when available. Swipe enabled. Desktop mouse dragging. Infinite looping. Fully accessible.
<http://typo3-slick.de/>
-  Start is installing and managing a responsive TYPO3. Provides a dozen ready-to-use backend layouts and some grid-layouts. Template is included for a responsive newsletter. Based on the responsive framework Foundation (Zurb). <http://start-typo3-responsive.de/>
-  TSconfig Pages and Users by extManager (extkey: tsconf): Configure the the eight most commonly used TSconfig porperties with the mouse - like page tree uids, activated extended view, activated clipboard, ...
<http://typo3.org/extensions/repository/view/tsconf/>

SEO - Search Engine Optimisation

You are optimising your website for search engines in principle, that your content will be found and indexed in a meaningful context.

But if you are offering an HTML page for PDF download and for optimised printing, you don't like the a twice or triple indexing - because of performance.

rel="nofollow"

Links to the pdf controller shouldn't indexed by default.

The <a> tag has the property rel="nofollow"

This effects that search engines doesn't follow the link - they don't download your PDF document. They don't index it.

That's what you want.

If you have a need to index PDF documents by search engines, please remove the TypoScript ATagParams. See the snippet below.

TypoScript snippet

```
plugin.tx_pdfcontroller_pi2 {
    button = IMAGE
    button {
        ...
        imageLinkWrap {
            enable = 1
            typolink {
                ...
                ATagParams = rel="nofollow"
            }
        }
    }
}
```

Credits

Netconsult AG

[3.0.0]

Thanks to the Netconsult AG, who contracted a part the integration of TCDPDF for TYPO3 (t3_tcpdf) into the PDF Controller.

NetConsult AG, Bern, Switzerland

<http://www.netconsult.ch/>

typo3-lisardo.de

[2.0.0]

Peter Linzenkirchner contracted a part of the 2.0 upgrade:

- <http://www.typo3-lisardo.de/>

web-arts.ch

[2.0.0]

Angelo Previtali contracted a part of the 2.0 upgrade:

- <http://www.web-arts.ch/>

TYPO3 Security Team

[1.1.1]

Thanks to the TYPO3 Security Team for a commendable support - especially to Franz G. Jahn.

Helpful suggestions

Forum

If you have helpful suggestions, feel free to publish any question, bug or code snippet on

- <http://forum.typo3-pdfcontroller.de/>

Posts are welcome in English and German.

Change log

- 4.1.6 **Improvement**
 - * #i0037: locallang
 - * #i0036: Manual: section upgrade 3.x -> 4.x
- 4.1.5 **Improvement**
 - * #i0035: favicon
 - * #i0034: Improvement tt_content.image caption
- 4.1.4 **Improvement**
 - * #i0033: Extension description
- 4.1.3 **Improvement**
 - * #i0031: tt_content optimisation: image caption got the wrap `<p class="caption">|
</p>`
- 4.1.2 **New Features**
 - * #i0030: slick optimisation for tt_content.images**Improvement**
 - * #i0029: tt_content optimisation added for image layout: 1, 2, 8, 9, 10, 17, 18
 - * #i0028: td.space for grid elements**Bugfix**
 - * #i0027: `<tr>` was missing in typoscript for grid elements
- 4.1.1 **New Feature**
 - * #i0025: Support for Start: grid layouts
 - * #i0024: addQueryString**Improvement**
 - * #i0023: Flexform tab sDEF is removed
 - * #i0022: Suggests pdfcontroller_fonts
- 4.1.0 **New Feature**
 - * #i0021: Constant for config.disableAllHeaderCode
 - * #i0020: Template for tt_content optimisation
 - * #i0019: Support for start
 - Effected files:
 - * Configuration/TypoScript/Extensions/Start (new)
 - * Resources/Private/Extensions/Start/Templates (new)
- 4.0.6 **Improvement**
 - * #i0018: Check for ['FE']['lockIP']
 - * #i0017: _ffValue: error prompt
 - * #i0016: Labeling *.xlf
- 4.0.5 **Improvement**
 - * #i0015: Update Manual
- 4.0.4 **Improvement**
 - * #i0014: Flexform with DRS
- 4.0.3 **Update**
 - * #i0013: Manual with CSS sample for images
- 4.0.2 **Update**
 - * #i0012: Manual with CSS sample
- 4.0.1 **Bugfix**
 - * #i0011: XML: missing tag
 - Resources/Private/Language/de.locallang_db.xlf
- 4.0.0 **Major Features**
 - * #i0010: Preparation for TYPO3 7.x
 - * #i0009: Session handling
- 3.1.1 **Improvement**
 - * #i0008: Constant Editor: new property url.**Bugfix**
 - * #i0007: PHP Warning: in_array() expects parameter 2 to be array, null given in Classes/Userfunc/Flexforms/Controller.php line 181

- 3.0.0 **Feature**
- * #i0005: Constant Editor: page.pdf_button. Id of the page, which contains the PDF Controller button. Moved
 - * plugin.tx_pdfcontroller_pi2.page.pdf_controller > plugin.pdfcontroller.pages.userinterface.id
 - * plugin.tx_pdfcontroller_pi2.realUrl.print > plugin.pdfcontroller.realUrl.print
 - * plugin.tx_pdfcontroller_pi2.typeNum.print > plugin.pdfcontroller.pages.print.typeNum
- 2.0.4 **Manual**
- * #i0004: Update
- 2.0.3 **SECURITY FIX!**
- * #i0003: Fix against Cross-Site Scripting
Done by Christian Bernet, <http://www.bernetimux.ch/>
- 2.0.2 **Bugfix**
- * #i0001: Class t3lib_extMgm is moved to \TYPO3\CMS\Core\Utility\ExtensionManagementUtility
- Improvement**
- * #i0002: state is moved from alpha to beta
- 2.0.0 **Major Feature**
- * #62278: Upgrade TYPO3 6.2
 - #62285: PHP 5.4 E_ALL & ~E_STRICT
 - #62289: PHP 5: Call to undefined method FPDF::GetFontAscender()
 - #62281: Warning in case of [FE][pageNotFoundOnCHashError]
 - #53019: Deprected require() functions for Typo3 6.2
 - * #47107: Manual: Configuration in case of HTML5 (HTML4)
- 1.4.3 **Manual**
- * #00000: Note frontend user sessions
- 1.4.1 **Bugfix**
- * #00000: Wrong TypoScript snippet is now proper in the manual
- 1.3.0 **Bugfix**
- * #36862: Additional Parameter has to encoded since TYPO 4.6
Marker ###ADDITIONALPARAMS### is handled by rawurlencode()
Effected file:
* pi2/class.tx_pdfcontroller_pi2.php
- Improvement**
- * #00000: Two master template are added. One for a rawurlencode case, one for a realUrl case.
 - * #00000: DRS got prompts for marker and typolink
 - * #00000: Manual is updated
- 1.2.1 **Bugfix**
- * #36857: Missing index in systemcheck.php: JPG Support
Effected file:
* res/html2ps_v2043/public_html/demo/systemcheck.php
- 1.2.0 **New Features**
- * #36513: Enable Batch Processing
Coded by Jonas Goetze <http://forge.typo3.org/users/4345>
 - * #36228: Display PHP error messages – configurable by the plugin / flexform
Coded by Ulfried Herrmann <http://herrmann.at.die-netzmacher.de>
- 1.1.4 **Bugfix**
- * #34939: Get rid of PHP notice logs
Thanks to Alexander Krimm for the bug report
- 1.1.3 **Improvement**
- * #34858: Usage of \$ICON_TYPES is deprecated since 4.4.
Thanks to Rene Staecker <http://forge.typo3.org/users/1993>
- 1.1.2 **Bugfix**
- * #00000: SQL error in the query in context with development tools
Thanks to Borries Jensen, who send the Bugfix.
 - * #00000: After clearing the dirs cache, out and temp each folder get a file index.html
- 1.1.1 **New Feature**

- * #33851: SEO rel="nofollow"

Improvements

- * #00000: pi1/flexform_loclang.xml

1.1.0 **Security fix**

1.0.1 **Improvements**

- * #32516: Systemcheck should check fonts in directory of pdfcontroller_fonts
- * #32513: typeNum print template is configurable by the TypoScript constant editor
- * #32482: PDF Controller suggests to install Fonts

Bugfixes

- * #32518: Wrong field name for proxy in the flexform. Thanks to Borries Jensen
- * #31191: Missing folders temp and out. Thanks to Borries Jensen
- * #31190: Parameter are missing - without RealURL only. Thanks to Borries Jensen

1.0.0 **Initial release**

Illustration Index

Illustration 1: PDF Controller 3: Responsive TYPO3 to PDF	3
Illustration 2: Example for more than one page: first page can designed differently.	3
Illustration 3: PDF Controller 3 flexform	4
Illustration 4: index.php?id=x&type=0	7
Illustration 5: ... &type=67426	7
Illustration 6: ... =67425	7
Illustration 7: The PDF Controller 3 can move responsive HTML output to PDF, which is based on one of the six grid elements provided by Start.	30
Illustration 8: The PDF Controller 3 can move responsive HTML output to PDF, which is based on one of the 12 backend layouts provided by Start.	32

Alphabetical Index

67425	DRS	29	documentTitle	20
typeNum	FE_SESSION_KEY	29	images scaling factor	9
67426	Session management	29	keywords	20
typeNum	filename	19	page margins	9
Bugs	Flexform	9	pageproperties	20
Button	Fluidtemplates		PDF template	9
icon	Constant Editor	15	title	20
IMAGE	Fonts	27	pdfcontrollerPDF	
TEXT	default fonts	9	Constant Editor	14
config	PDF Controller Additional Fonts	6	typeNum	14
disableAllHeaderCode	footer	17	pdfcontrollerPrint	
CSS	Forum	39	Constant Editor	14
a	Grid elements	24, 30	copyright	14
align	tt_content	24	header	14
border	HTML	12	Start	26
Content Element	CSS	10	strftime	14
csc-header	DIV	12	typeNum	14
disableAllHeaderCode	TABLE	12	Plugin	9
div	CAPTION	12	Requirements	
File	units	12	Check	8
h1	Images	13	lockHashKeyWords	8
h2	Scaling factor	9	lockIP	8
h3	tt_content	16	Plugin	8
HTML	margin		SEO	37
inlineCss	CSS	18	nofollow	37
line-height	master-templates	17	Session management	29
list-style-type	PAGE	17	Slick	31
margin	pdf	17	Start	32
ol	print	17	master	26
Own CSS	Organiser	31	pdfcontrollerPrint	26
p	PAGE		TCPDF	6
padding	master-templates	17	tt_content	
Pagebreak	pdfcontrollerPDF	7, 16	gridelements	24
properties	Constant Editor	14	image	13, 16
rules	pdfcontrollerPrint	7, 16	Slick	25
Sample	Constant Editor	14	slickslideshow	25
table	PDF Controller Additional Fonts	6	typeNum	21
text-align	PDF Properties		67425	7, 14
ul	a-tag	9	67426	7, 14
Development	author	20	TypoScript	
Production	default fonts	9	Templates	6
Test	description	20	url	15
HTML	documentAuthor	20	User interface	
TCPDF sample	documentKeywords	20	pid	14, 20
TypoScript	documentSubject	20	view	21